

09/544,253

*Proposed Amendment*

Claims and Proposed Amendments

"DRAFT"

PLS! "DO NOT ENTER"

Thanks

11/03/09

1- 23. (Canceled)

24. (Currently Amended) A system for determining context comprising:

a processor; and

one or more computer-readable storage media encoded with:

a first hierarchical tree structure having multiple nodes associated with a first context, wherein the first hierarchical tree structure resides on the one or more computer-readable storage media and the first hierarchical tree structure comprises a standardized view of the Earth and a plurality of attributes, one of which comprising information that pertains to the tree with which the node is associated;

~~at least one~~ a second hierarchical tree structure having multiple nodes associated with a second context, wherein the second hierarchical tree structure resides on the one or more computer-readable storage media and the ~~at least one~~ second hierarchical tree structure comprises a plurality of attributes, one of which comprising information that pertains to the tree with which the node is associated and an organization-specific view of at least a portion of the Earth, the organization-specific view comprising a physical/logical entity that links into specific portions of the Earth and the organization-specific view has no context outside of the organization, wherein the at least one second hierarchical tree structures comprise a plurality of nodes, wherein each node is assigned an organization-specific proprietary identifier; and

~~at least one~~ node from the ~~at least one~~ second hierarchical tree structure being linked with one node on the first hierarchical tree structure by a link that is configured to

enable a complete context to be derived from the first and second contexts, individual nodes having unique IDs that serve as a basis by which attributes are assigned to goods or services, wherein attributes assigned to goods or services comprise a relative importance that identifies geographic importance relative to a region;

said multiple nodes comprising parent and children nodes, ~~at least~~ wherein some of the parent nodes and their associated children nodes having IDs that are unique for the associated node.

**25. (Original)** The system of claim 24, wherein the first and second contexts comprise a location context.

**26. (Original)** The system of claim 24, wherein the nodes of the first hierarchical tree structure comprise geographical divisions of the Earth.

**27. (Currently Amended)** The system of claim 26, wherein the nodes of the ~~at least one~~ second hierarchical tree structure comprise physical and/or logical entities.

**28. (Canceled)** The system of claim 24, wherein the first and the ~~at least one~~ second hierarchical tree structures comprise a plurality of attributes, one of which comprising information that pertains to the tree with which the node is associated.

**29. (Original)** The system of claim 28, wherein the information comprises a universal resource locator (URL).

30. **(Original)** The system of claim 24 further comprising one or more goods or services associated with one or more of the nodes of the ~~at least one~~ second hierarchical tree structure.

31. **(Canceled)**

32. **(Canceled)**

33. **(Currently Amended)** The system of claim 24, wherein the computer-readable storage media is embodied on a mobile computing device.

34. **(Currently Amended)** The system of claim 24, wherein the computer-readable storage media is embodied on a desktop device.

35. **(Currently Amended)** The system of claim 24, wherein the computer-readable storage media is embodied a handheld mobile computing device.

36. **(Currently Amended)** The system of claim 24, wherein the computer-readable storage media is accessible to a computing device via the Internet.

37.-47. **(Canceled)**

**48. (Currently Amended)** One or more computer-readable storage media having computer-readable instructions thereon which, when executed by a computing device, cause the computing device to:

access first and second hierarchical tree structures, each tree structure comprising having multiple nodes and a plurality of attributes, wherein a plurality comprises information that pertains to the tree with which a node is associated, the nodes of the first hierarchical tree structure being associated with a first location context, the nodes of the second hierarchical tree structure being associated with a second location context and each node of the second hierarchical tree structure being assigned an organization-specific proprietary identifier, ~~at least one~~ a node of the second hierarchical tree structure being linked with a node of the first hierarchical tree structure; and

~~traverse at least one~~ a node of each tree structure to derive a location context, ~~at least one~~ a node in a traversal path that leads to a root node of the second hierarchical tree structure being linked with a node of the first hierarchical tree structure, individual nodes having unique IDs that serve as a basis by which attributes ~~can be~~ are assigned to goods or services, wherein attributes assigned to goods or services comprise a relative importance that identifies geographic importance relative to a region, said multiple nodes comprising parent and children nodes, ~~at least~~ wherein some of the parent nodes and their associated children nodes having IDs that are unique for the associated node.

49. **(Currently Amended)** The one or more computer-readable storage media of claim 48, wherein the computing device automatically determines the computing device location context.

50. **(Currently Amended)** The one or more computer-readable storage media of claim 48, wherein the computing device is a handheld computing device.

51. **(Currently Amended)** The one or more computer-readable storage media of claim 48, wherein the computing device is a mobile computing device.

52. **(Currently Amended)** The one or more computer-readable storage media of claim 48, wherein the computing device is a desktop device.

53. **(Currently Amended)** The one or more computer-readable storage media of claim 48, wherein the computing device is a handheld computing device that automatically determines the handheld computing device location context.

54.-57. **(Canceled)**

58. **(Currently Amended)** A computer-implemented method of building context-aware data structures comprising:

receiving, by a particular computing device, input from a source that specifies information pertaining to physical and/or logical entities;

processing the information to define a hierarchical tree structure having a context, the tree structure comprising multiple nodes each of which represent a separate physical or logical entity, said multiple nodes comprising parent and children nodes, ~~at least~~ wherein some of the parent nodes and their associated children nodes having IDs that are unique for the associated node;

linking ~~at least one~~ a node of the multiple nodes to a node of another tree structure having a context and multiple nodes that represent physical and/or logical entities, individual nodes comprising:

a unique ID that serve as a basis by which attributes are assigned to goods or services, wherein attributes assigned to goods or services comprise a relative importance that identifies geographic importance relative to a region; and

an organization-specific proprietary identifier;

the tree structures being configured for traversal in a manner that enables context to be derived from one or more of the nodes, wherein each of the hierarchical tree structures comprise a plurality of attributes, wherein a plurality comprises information that pertains to the tree with which a node is associated.

**59. (Original)** The computer-implemented method of claim 58, wherein the context that is derived comprises a location context.

**60. (Currently Amended)** One or more computer-readable storage media having computer-readable instructions thereon which, when executed by a computing device, cause the computing device to implement the method of claim 58.

61. (Canceled)

62. (Currently Amended) A system for determining context comprising:

a processor; and

one or more computer-readable storage media encoded with:

a first hierarchical tree structure having multiple nodes associated with a first context, wherein the first hierarchical tree structure resides on the one or more computer-readable storage media and the first hierarchical tree structure comprises a standardized view of the Earth;

~~at least one~~ a second hierarchical tree structure having multiple nodes associated with a second context, wherein the second hierarchical tree structure resides on the one or more computer-readable storage media and the ~~at least one~~ second hierarchical tree structure comprises an organization-specific view of ~~at least~~ a portion of the Earth, the organization-specific view comprising a physical/logical entity that links into specific portions of the Earth and the organization-specific view has no context outside of the organization, wherein the ~~at least one~~ second hierarchical tree structures comprise a plurality of nodes, wherein each node is assigned an organization-specific proprietary identifier; and

~~at least one~~ a node from the ~~at least one~~ second hierarchical tree structure being linked with one node on the first hierarchical tree structure by a link that is configured to enable a complete context to be derived from the first and second contexts, individual nodes having unique IDs that serve as a basis by which attributes are assigned to goods or services, wherein attributes assigned to goods or services comprise a relative importance that identifies geographic importance relative to a region;

said multiple nodes comprising parent and children nodes, ~~at least~~ wherein some of the parent nodes and their associated children nodes having IDs that are unique for the associated node;

wherein the nodes of the first hierarchical tree structure comprise geographical divisions of the Earth;

wherein the first and the ~~at least one~~ second hierarchical tree structures comprise a plurality of attributes, ~~one of which comprising information~~ wherein a plurality comprises information that pertains to the tree with which the node is associated.

63. - 65. (Canceled)